

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) ~~A device~~ for recording information on a record carrier, the record carrier comprising a track for recording information, ~~said information including real-time information to be reproduced continuously via a rendering system having predefined~~ properties at least including:
- ~~a buffer coupled to a read-out unit,~~
 - ~~a minimal read-out speed R_{disc} of the read-out unit for retrieving information from the track into the buffer, and~~
 - ~~a maximal seek time T_{seek} for accessing information~~ anywhere on the record carrier,
- the device comprising:
- ~~a head for scanning the track;~~
 - ~~a write unit for recording information in the track via the head, the information being arranged in files, a file having~~ properties at least including:
- ~~a maximal data rate R_{file} of the file for the real-time information in the file to be reproduced continuously, and~~
 - ~~a maximal size of header information $S_{headers}$ that precedes and/or follows the real-time information in the file; and~~
 - ~~an allocation unit for determining a minimal size of an extent S_{extent} that is a continuous recording unit at least taking into account the properties R_{disc} , T_{seek} , R_{file} and $S_{headers}$, and~~
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recording the information of the files in contiguous parts of the track at least having the size of Sextent.

2. (Currently Amended) ~~The device as claimed in claim 1,~~
wherein the allocation unit comprises an extent unit that contains a number of predefined extent sizes and corresponding maximal data rates available for Rfile.

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3. (Currently Amended) ~~The device as claimed in claim 1,~~
wherein the allocation unit comprises an extent unit for determining said minimal size or a maximal data rate for Rfile based on: $\text{Sextent} = ((T\text{seek} + S\text{headers} / R\text{disc}) * R\text{file} * R\text{disc}) /$
5 | $(R\text{disc} - R\text{file})$.

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4. (Currently Amended) ~~The device as claimed in claim 1,~~
wherein the device is arranged for determining a disc type and determining the Sextent taking into account for Rdisc an overhead in dependence of the disc type, in particular a packet overhead for
5 a re-writable disc type.

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5. (Currently Amended) ~~A device for reading information from a~~
track on a record carrier, ~~said information including real-time~~
information ~~to be reproduced continuously via a rendering system~~
having predefined properties at least including:

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5 | a buffer coupled to a read-out unit,

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1 | a minimal read-out speed R_{disc} of the read-out unit for
 retrieving information from the track into the buffer, and
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2 | a maximal seek time T_{seek} for accessing information
 anywhere on the record carrier,
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10 | the device comprising:
 a head for scanning the track;
 a read unit for reading information in the track via the
 head, the information being arranged in files, a file having
 properties at least including
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15 | a maximal data rate R_{file} of the file for the real-time
 information in the file to be reproduced continuously,
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16 | a maximal size of header information $S_{headers}$ that
 precedes and/or follows the real-time information in the file, and
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17 | being recorded in contiguous parts of the track at least
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20 | having a size of S_{extent} at least taking into account the
 properties R_{disc} , T_{seek} , R_{file} and $S_{headers}$; and
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21 | a read-buffer coupled to the head, the read-buffer having
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22 | at least a size $S_{buffer,min}$ determined taking into account the
 values of:

25 | a read-out speed R_{disc_dev} of the read unit for
 retrieving information from the track into the read-buffer, and
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26 | a maximal seek time T_{seek_dev} of the head for accessing
 information anywhere on the record carrier, and
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27 | the maximal values of the properties R_{file} and $S_{headers}$
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30 | for files to be played: $R_{file,max}$ and $S_{headers,max}$.

6. (Currently Amended) ~~The device as claimed in claim 5,~~
wherein the read-buffer has a size based on: $S_{buffer,min} =$
 $((t_{seek,max} + S_{headers,max}/R_{disc,max}) * R_{file,max},$

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7. (Currently Amended) ~~The device as claimed in claim 5,~~
wherein the read unit is arranged for reading a flag from the files
indicating whether two files are intended to be played seamless, in
particular the file containing the flag and the previous one.

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8. (Currently Amended) ~~A method for recording information on a~~
record carrier, the record carrier comprising a track for recording
information, ~~said information including real-time information to be~~
reproduced continuously via a rendering system having predefined

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5 | properties at least including:

√ ~~a buffer coupled to a read-out unit,~~

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√ ~~a minimal read-out speed R_{disc} of the read-out unit for~~
retrieving information from the track into the buffer, and

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- ~~a maximal seek time T_{seek} for accessing information~~

10 | anywhere on the record carrier,

~~and said information being arranged in files, a file~~
having properties at least including:

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√ ~~a maximal data rate R_{file} of the file for the real-time~~
information in the file to be reproduced continuously, and

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15 | √ ~~a maximal size of header information $S_{headers}$ that~~
precedes and/or follows the real-time information in the file,

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~~wherein said method comprises the steps of:~~

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20 determining a minimal size of an extent Sextent that is a
continuous recording unit at least taking into account the
properties Rdisc, Tseek, Rfile and Sheaders; and
recording the information of the files in contiguous parts
of the track at least having the size of Sextent.

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5 9. (Currently Amended) ~~The method as claimed in claim 8,~~
wherein the method comprises a step of;
including a flag in the files indicating whether two files
are intended to be played seamless, in particular the file
containing the flag and the previous one.

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5 10. (Currently Amended) ~~The method as claimed in claim 8,~~
wherein the maximal size of header information Sheaders is
determined including additional data that precedes and/or follows
the real-time information in the file, in particular lyrics
information additional to an audio file.

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5 11. (Currently Amended) ~~A computer readable media having a
program thereon for causing a processor to record information, said
program being operative to cause a processor to record information
on a record carrier, the record carrier comprising a track for
recording information, said information including real-time
information to be reproduced continuously via a rendering system
having predefined properties at least including:
a buffer coupled to a read-out unit,~~

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as claimed in claim 8

10 a minimal read-out speed R_{disc} of the read-out unit for
 retrieving information from the track into the buffer, and
 - a maximal seek time T_{seek} for accessing information
 anywhere on the record carrier,
 and said information being arranged in files, a file
 having properties at least including:
 15 a maximal data rate R_{file} of the file for the real-time
 information in the file to be reproduced continuously, and
 a maximal size of header information $S_{headers}$ that
 precedes and/or follows the real-time information in the file,
 wherein said method comprises the steps of:
 20 determining a minimal size of an extent S_{extent} that is a
 continuous recording unit at least taking into account the
 properties R_{disc} , T_{seek} , R_{file} and $S_{headers}$; and
 recording the information of the files in contiguous parts
 of the track at least having the size of S_{extent} .

12. (Currently Amended) A record carrier comprising a track
 carrying information, said information including real-time
 information to be reproduced continuously via a rendering system
 having predefined properties at least including:
 5 a buffer coupled to a read-out unit,
 a minimal read-out speed R_{disc} of the read-out unit for
 retrieving information from the track into the buffer, and
 a maximal seek time T_{seek} for accessing information
 anywhere on the record carrier,

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10 | and ~~said~~ information being arranged in files, a file
| having properties at least including:
| * a maximal data rate Rfile of the file for the real-time
| information in the file to be reproduced continuously, and
| * a maximal size of header information Sheaders that
15 | precedes and/or follows the real-time information in the file, *
| wherein the track ~~comprises~~ continuous recording units at
| least having a size of Sextent at least taking into account the
| properties Rdisc, Tseek, Rfile and Sheaders.

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13. (Currently Amended) ~~The record carrier~~ as claimed in claim
12, wherein the files comprise a flag indicating whether two files
are intended to be played seamless, in particular the file
containing the flag and the previous one.

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